CT 19 1 11.

# In the Supreme Court of the United States OCTOBER TERM, 1943.

FEDERAL POWER COMMISSION, CITY OF AKRON, AND PENNSYLVANIA PUBLIC UTILITY COMMISSION, PETITIONERS,

No. 34

. .

CITY OF CLEVELAND,

HOPE NATURAL GAS COMPANY.

No. 35

V

HOPE NATURAL GAS COMPANY,

Respondent.

Petitioner.

ON WRITS OF CERTIORARI TO THE UNITED STATES CIRCUIT COURT OF APPEALS FOR THE FOURTH CIRCUIT.

HOPE NATURAL GAS COMPANY.

SCHEDULES FROM BRIEFS AND EXHIBITS.

WILLIAM B. COCKLEY,

Attorney for Hope Natural Gas Company.

October 20, 1943.

#### TABLE OF CONTENTS

#### Schedule No.

- I. Hope's Annual Gas Sales-M.c.f.
- II. Comparison of Net Returns from Interstate Business, 1937-1940, Based on Hope's and Commission Staff's Claims as to Operating Expenses

and

Net Returns from Interstate Business on Commission Basis If Rates Fixed by It for the Future Had Been in Effect in the Years 1937 to 1939.

- III. Rate Bases Found by the Commission.
- IV. Original Cost—Difference between Hope's Evidence and Commission's Findings as of December 31, 1938.
- V. The Leasehold Costs of Natural Gas Produced
  —Comparison of Expense and Capitalization
  Methods.
- VI. Original Cost and Original Cost Trended to 1938 Prices of Hope's Production, Transmission and General Properties Existing at December 31, 1938.
- VII. Summary of Evidence of Interstate Rate Base— Before Depreciation—As of December 31, 1938.
- VIII. Investors' Appraisal of Capital Risk in Various Divisions of the Utility Business.
  - IX. Hope's Interstate Rate Base for Future Rates.
    Using California Method of an Undepreciated Rate Base.
  - X. Direct Costs of Production of Gas (Exclusive of Return) and Increment of Direct Costs Year 1940 over 1939. [Copy of Table 12 of Cleveland Reply Brief before the Commission (p. 104)].
  - XI. Subnormality of Hope's Costs in 1940 as Shown by the Commission's Findings.
- XII. Hope's Fixed Assets, Total Sales and Revenues, Depreciation and Net Operating Gas Income Per Books—1926-1940.

#### SCHEDULE I

#### HOPE NATURAL GAS COMPANY

#### Annual Gas Sales-M.c.f.

	1937	1938	1939	1940*	•
Total Local Sales of Gas in West Virginia	11,428,353	8,632,673	• 9,732,983	11,320,325	
Export Gas Sales:					
To East Ohio	35,074,416	30,316,773	33,907,672	40;376,091	
To Peoples	3,506,013	2,870,545	3,864,104	9,738,612	-
To River	330,644	222,615	237,640	391,859	
To Favette	849,305	837,986	840,398	859,106	
To Manufacturers	4,523,967	3,995,563	2,500,755	2,241,684	
Total Export Gas Sales	44,28 345	38,243,482	41,350,569	53,607,352	
Total Gas Sales	55,712,698	46,876,155	51,083,552	64,927,677	

<sup>\*</sup> Excluding per stipulation (Ex. 77) sales from former Reserve Gas Company properties merged with Hope on December 30, 1939.

<sup>(</sup>From Hope Brief; p. 4)

#### HOPE NATURAL GAS COMPANY

Comparison of Net Returns from Interstate Business, 1937-1940, Based on Hope's and Commission Staff's Claims as to Operating Expenses

	•				Норе	Commission Staff
1937					\$2,587,901	\$3,244,904
1938					730,529	1.186.435
1939					2,174,361	3,020,246
1940					4,574,804	5,576,982
3-Yea	r Av	erage-	-1937	to 1939	1,830,930	2,483,862
				to 1940		3,257,142

(From Hope Brief, p. 116; Hope figures from Ex. 133, p. 1)

#### Net Returns from Interstate Business on Commission Basis if Rates Fixed by It for the Future Had Been in Effect in the Years 1937 to 1939

• ;-		^	•	Net Interstate	
	* * *	0		Operating Income	
1937				 \$ 708,653	
1938				 (1.394.164) Loss	
1939				 333,502	
3-Year	Average			 \$ (117,336) Loss	
-		• . • 1		 (From Hope Brief, p.	128)

#### SCHEDULE III

## HOPE NATURAL GAS COMPANY Rate Bases Found by the Commission

	December 31, 1938	December 31, 1940
"Gross Investment in Gas Plant in Service" (in-	。 (1)	(2)
eluding all leaseholds)	\$51,792,000	\$52,523,000
Less: "Actual Existing Depletion and Deprecia-	21,188,000	22,328,000
Net Investment"  Add: "Working Capital"	\$30,604,000 2,100,000	\$30,195,000 2;125,000
"Interstate Rate Base"	\$32,704,000	\$32,320,000 1,392;000
Total Future Rate Base		\$33,712,000 Brief, p. 28:

(From Hope Brief, p. 28; also Opinion, R. I, p. 50)

#### SCHEDULE IV

#### HOPE NATURAL GAS COMPANY

Original Cost—Difference Between Hope's Evidence and Commission's Findings as of December 31, 1938

Hope's Evidence as to Original Cost		\$69,735,000 51,792,000
Difference		\$17,943,000
This difference is due to the omission from the Commission's Adjusted Book Cost of the following principal classes of items:		•
Drilling and other direct well construction costs for 2633 wells Other direct material and labor costs of buildings, pipe lines and other miscellaneous property Field and general overheads, including interest during construction	\$12,643,641 1,380,154 3,825,126	
	\$17,848,921 om Hope Brief,	pp. 28-29, 33)

#### HOPE NATURAL GAS COMPANY

With return on rate base at 61/2 per cent the

total figures become

'The Leasehold Costs of Natural Gas Produced

the state of the s		nent Costs
	Industry Practice Of Charging To Expense	Capitalization Method Used in This Exhibit
	(1)	(2)
Depreciated Costs as of December 31, 1938 for Inclusion in Rate Base	1	
Operated acreage—acquisition cost	\$ 482,311	\$ 482,311
Net remainder of accumulated exploration	Mi ex	
and development costs	681,882	5,331,236
enoperated acreage acquisition cost	001,002	
Total for rate base	\$1,164,193	\$5,813,547
Average 1937, 1938 and 1939 Exploration and Development Costs		
	\$ 450,981	
Loss on unoperated leases cancelled	49,543	Ф —
Non-productive drilling costs	53,037	· · ·
Depletion of operated acreage @ 4.77 per cent .		23,006
Depletion of exploration and development	***	
costs @ 4.77 per cent		254,300
Return on rate base at 8 per cent	93,135	465,084
Total	\$ . 669,702	<b>\$</b> 742,390°

Method of Handling The Exploration And

(Copy of Table on p. 11 of Rhodes' Ex. 26, "The Leasehold Costs of Natural Gas Produced," with last line from Hope Brief, footnote p. 45.)

\$ 655,187

#### SCHEDULE VI

#### HOPE NATURAL GAS COMPANY

Original Cost and Original Cost Trended to 1938 Prices of Hope's Production, Transmission and General Properties Existing at December 31, 1938

Vear First Placed in Public Service	Original Cost	Prended To 1938 Prices		
(1)	(2)	(3).		
1891	\$ 9,732	\$ 30,400		
1892	203,822	487,857		
1893	52,126	135,566		
1894	74,419	192,547		
1895	68,264	194,183		
		4		
1896	26,292	81;773,		
1897	41,064	129,073		
. 1898	40,043	100,865		
. 1899	239,067	477,298		
1900	177,521	424,916		
1901	. 118,241	274,326		
1962	1,229,574	2,228,121		
1903	1,823,2603	3,363,441		
1904	2,088,446	4,252,002		
1905	1,008,070	2,569,486		
1905	. 1,000,070	2,000,400		
1000	440,829	977,413		
1906		0.000.000		
1907	1,588,829	2,990,262		
1908	796,342	1,578,711		
1909	1,146,626	2,522,741		
* 1910	2,150,919	4,532,162		
		- election		
1911	2,632,698	5,291,264		
1912	1,429,618	3,213,789		
1913	2,640,408	5,729,962		
1914	1,691,034	3,787,696		
1915	1,285,027	2,838,853		
1916	2,247,279	4,046,968		
Total 1891-1916	\$25,249,550	\$52,451,675		
1017	2 000 122	4,634,837		
1917	3,090,157			
1918	2,732,017	3,554,480		
1919	3,103,006	3,851,272		
. 1920	2,507,985	2,759,541		
. 1921	3,195,259	3,887,959		
1922	1,031,019	1,458,934		
1923	-2,334,062	2,967,252		
1924	3,065,508	3,559,552		
1925	7,231,827	8,306,766		
1926	2,484,197	2,752,025		
1927	2,040,911	2,274,092		
		1,325,453		
1928	1,155,524	1,897,881		
1929	1,734,331			
1930 .	1,395,355	1,641,396		
. 0				

					A
S	(1)		(2)	. (3)	
٠.	. 1891		\$ 9,732	\$ 30,400	
	1892		203,822	487,857	
	1893		52,126	135,566	
*	1894		74,419	192,547	
	1895		68,264	194,183	
	1896		. 26,292	81,773	
	1897	•	41,064	129,073	
	1898		40,043	100,865	
	1899		239,067	477,298	
	1900		177,521	424,916	
			,		
	1901		118,241	274,326	
	1902		1,229,574	2,228,121	
	1903		1,823,260	3,363,441	
-	1904	9	2,088,446	4,252,002	
	1905		1,008,070	2,569,486	
			.,,	_,	
	1906		440,829	977,413	
	1907		1,588,829	2,990,262	
	1908		796,342	1,578,711	
	1909		1,146,626	2,522,741	
	1910		2,150,919	4,532,162	
	1911		2,632,698	5,291,264	
	1912		1,429,618	3,213,789	
	1913 -		2,640,408	5,729,962	
*	1914		1,691,034	3,787,696	
	1915		1,285,027	2,838,853	
	1916		2,247,279	4,046,968	
Tota	1 1891-1916		\$25,249,550	\$52,451,675	
				4 404 00*	
	1917	14-	o. 3,090,157	4,634,837	
	1918		2,732,017	3,554,480	
	1919		3,103,006	3,851,272	
	1920	• :	2,507,985	2,759,541	
				* 0007.070	
	1921	-	3,195,259	3,887,959	
	. 1922 .		1,031,019	1,458,934	
	1923.		2,334,062	2,967,252	
	1924	*	3,065,508	3,559,552	
4	1925		7,231,827	8,306,766	
	1000		0 404 107	9 759 005	
	1926		2,484,197	2,752,025 2,274,092	
	1927		2,040,911		
44.9	1928		1,155,524	1,325,453	
	1929	40 .	1,734,331	1,897,881	
	1930	0	1,395,355	1,641,396	
	1021		471,244	553,393	
	1931 1932		226,955	274,415	
	1933		186,770	225,114	
*			2,390,535	2,629,544	4
	1934 1935	. 1	338,156	363,565	
	1999	, '	000,100	800,000	
	1936		2,591,508	2,847,117	
	1937		1,136,838	1,163,238	
	1938		860,725	860,725	
Tota	1 1917-1938		. \$45,303,889	\$ 53,788,551	
Tota	1 1891-1938	)	\$70,553,439	\$106,240,226	
	: Coke Oven	Gas Proper		1,138,314	
Tota	ıl	. e	\$69,735,638	\$105,101,912	
	* 5				

(From Ex. 20, R. I, p. 207, with subtotals added, and property used to transport coke oven gas deducted per Ex. 20, R. I, p. 193)

#### HOPE NATURAL GAS COMPANY

# Summary of Evidence of Interstate Rate Base—Before Depreciation As of December 31, 1938

(Exclusive of Working Capital and Chpital Additions)

Hope Evidence
1. Book Cost
2. Original Cost
3. Original Cost at 1917-1938 prices 90,000,000
4. Original Cost Trended to 1938 prices 105,101,000
5. Reproduction Cost New:
(a) Ohio Commission—6/30/37 100,257,000
(b) Hope—12/31/38
Commission Staff Evidence
Staff's Adjusted Book Cost \$ 51,792,000
(From Hope Brief, p. 29)

#### SCHEDULE VIII

#### HOPE NATURAL GAS COMPANY

# Investors' Appraisal of Capital Risk in Various Divisions of the Utility Business

	1937	1938	1939	1940	Four Year Average 1937-1940	
	(1)	(2)	(3)	(4)	(5)	
Electric Utility Operating	•		, o <sub>k</sub>			
Companies	5.47%	5.50%	5.41%	5.34%	5.45%	
Water Companies	5.52	5.39	5.66	5.23	5.45	
Manufactured and Mixed			(•	4.1		
Gas Companies	6.17	6.61	6.61	6.88	6.57	
Natural Gas Companies	7.91	7.79	7.53	7.97	7.80	
Natural Gas Companies				4		
excluding Pacific Light-				. 0		
ing Corporation	8.32	8.05	8.32	9.34	8.51	
	,		CEnom Home	Daine for	44 40%	1

From Hope Brief, footnote, v. 107)

#### SCHEDULE IX

1,392,000

#### HOPE NATURAL GAS COMPANY

#### Hope's Interstate Rate Base for Future Rates Using California Method of an Undepreciated Rate Base

### a) Using Commission's Adjusted Book Cost as Original Cost:

	Physical Properties and Operated Leaseholds Useful Unoperated Leaseholds Working Capital Net Capital Additions	\$51,957,416 566,105 2,125,000 1,392,021
	Total	\$56,040,542
)	Using Hope's Determination of Original Cost:	
8	Original Cost*	

#### Commission's Allowances in Future Rates:

Net Capital Additions .....

Total	 	 	*	3,651,351

Hope's original cost of physical properties and leaseholds as of December 31, 1938 plus 1939 and 1940 net additions as found by the Commission (R. I, 36).

(From Hope Brief, pp. 114, 113)

#### HOPE NATURAL GAS COMPANY.

### "Direct Costs of Production of Gas (Exclusive of Return) and Increment of Direct Costs Year 1940 Over 1939."

[Copy of Table 12 of Cleveland Reply Brief before the Commission (p. 104)]

	Exhibit 67, 1939	Exhibit 78, 1940	Increment Costs—1940 over 1939
"Direct Expenses of Producing Gas, Excl. of Depreciation and Depletion (Ex. 67, pp. 17, 39; Ex. 78, pp. 17, 23)			
734.1 Gas Well Labor 735.1 Gas Well Supplies and Expenses 741 Maint, of Prod. Gas Well Equip 745 Gas Well Royalties	\$ 330,338.52 130,999.56 53,457.92 828,851.62	\$ 347,147.21 164,662.01 83,242.02 885,841.27	
Total Direct Gas Well Expenses Gross Production Tax	1,343,647.62 144,633.15	1,480,892.51 221,908.58	
Total, Incl. Production Tax	1,488,280.77	1,702,801:09	
*Depreciation and Depletion (Ex. 78, p. 54)  Operated Acreage Gas Well Construction Cost of Abandoning	\$ 36,772.47 182,755.43 69,813.58	\$\begin{pmatrix} 57,084.00 \\ 286,492.00 \\ 105,860.00 \end{pmatrix}	
Total Depletion  Depreciation of Gas Well Equipment (Ex. 61, p. 21; Ex. 78, p. 26)		449,436.00 186,702.97	
Total Depreciation and Depletion	\$ 477,824.33	\$ 636,138.97	
Volume of Gas Produced—M.c.f. (Ex. 78,	16,546,230	26,800,000	10,253,770
"Direct Expenses per M.c.f. Produced			
734.1 Gas Well Labor 735.1 Gas Well Supplies and Expenses 741 Maint, of Prod. Gas Well Equip 745 Gas Well Royalties	.79 .32	1.29¢ * .61 31 31	
Total Direct Gas Well Expenses	8.12	5.52	
Gross Production Tax	.87	83	
Total, Incl. Production Tax	8.99¢	6.35€	. /
"Depreciation and Depletion per M.c.f. Produced;			
Depletion Depreciation of Gas Well Equipment	1.75¢ 1.14	1.68¢	1.
Total Depreciation and Depletion	2.89€	2.38¢	
"Total Direct Costs of Producing Gas, Incl. Depreciation and Depletion:			

### SCHEDULE XI

#### HOPE NATURAL GAS COMPANY

# Subnormality of Hope's Costs in 1940 as Shown by the Commission's Findings

	1939		Increase 40 over 1939
	(1)	(2)	(3)
"Revenues from Interstate Sales	\$14,866,894	<b>\$19,296,755</b> ``	\$4,429,861
2 "Operating Deductions [Expenses]	11,845,649	12,997,845**	1,152,196
"Net Operating Income from Inter- state Sales	\$ 3,021,245	\$ 6,298,910	\$3,277;665
4 "Interstate Sales in M.c.f	41,350,569	53,604,243	12,253,674
Increase in operating expenses, \$1 12,253,674 = 9¢ per M.c.f.	,152,196 ÷	Increase in M	I.c.f. sales,
	1, 2 an	Hope Brief, p. 1 d 3 quoted from ings as to Lawfu 'K. I, p. 12, and its Opinion, R. I,	Commission's lness of Past l line 4 from

# Fixed Assets, Total Sales and Revenue, Depreciation and Net Operating Gas Income per Books 1926-1940

	Fixed					s Total er Books		Depreciation and			Hope Net Operating						
	Assets Books*	:	ŕ.	M.c.f.		Revenue		Depletion Per Books			Gas Income Per Books				Col.	Total (5) +	(6)
	(2)		. '	(3)		. (4)		7	(5)	-			(6)			(7)	
			4			(Thou's	a n	ds.	Omi	t t	e	d)		1			
*	47,164			57,156		\$ 20,662			2,872		* ,	8	3,479		*	\$ 6,351	
	48,762			52,433	,	19,363		*	2,809				1,535			4,344	
	48,548			55,081		20,635			2,651				2,393			5,044	
	52,193			57,444		22,048			2,660		*		3,234			5,894	
	53,009			52,649		19,931			2,677				1,188			3,865	
	52,779			47,725		17,993			2,560				699			3,259	
	52,412			37,702		14,206			2,329		*	1	(805)	Los	s	1,524	
	52,191			37,080		14,121			1,998				366			2,364	
	54,454	,	,	43,535	0	. 15,986			1,693		e	-	1,041			2,734	
	54,312			47,133		16,976	1		1,846.				2,279			4,125	
	56,106			55,679		20,139			2,013			. 1	3,555		. 1	5,568	
	56,536			58,911		20,366		1	1,982			- 1	2,368		•	4,350	
	56,650		•	47,921		16,942			1,663		9		872			2,535	
	64,251			51,344		18,119			1,218				2,283	*		3,501	
	65,193		• '	69,056		24,362			1,464			-	5,337			6,801	
	314,560			770,849		\$281,849	1	. 8	32,435			\$2	9,824			\$62,259	) -
	54,304	,		51,390		\$ 18,790			2,162	21		. 5	1,988			\$ 4,150	

<sup>\*</sup>Fixed Assets for 1939 and 1940 include former Reserve Gas Company properties merged with the on December 30, 1939. Other columns include operations of former Reserve Gas Company for

(From Hope Brief, p. 12)